

Clean Copy of New Claims

25. (New Claim) A method for providing to each global positioning (GPS) unit in a plurality of aircrafts software code containing updated aeronautical navigation data, said method comprising
5 the steps of:
- assigning to each GPS unit a unique software key;
 - forwarding a request from one of said GPS units for the updated aeronautical navigation data to a software supplier, said request including the one GPS unit unique software key and payment authorization information;
 - 10 encrypting the software code for the updated aeronautical navigation data by the supplier in response to said request, said encrypted software code including a decryption program;
 - transmitting to the one GPS unit said encrypted software code including said decryption program which only allows software to be unloaded into a GPS unit having the unique software key;
 - 15 decrypting said transmitted encrypted software code at the one GSP unit according to said GSP unit unique software key used to encrypt the software code by the supplier; and
 - replacing the prior software code at the one GSP unit with the decrypted software code from the supplier.
- 20 26. (New Claim) The method in accordance with claim 25 wherein said step of encrypting the software code includes using cyclic redundancy coding.
27. (New Claim) The method in accordance with claim 26 wherein said step of encrypting the software code uses the GPS unit software key as a seed.
- 25 28. (New Claim) The method in accordance with claim 26 wherein the encrypted software code transmitted by the supplier includes a footer tag that includes the GPS unit software key.
29. (New Claim) The method of claim 28 wherein said step of decrypting said transmitted
30 software code comprises reading the GPS unit software key from the footer tag and comparing the software key in the footer tag with the software key of the GPS unit.